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ATTORNEY'S DOCKET NUMBER: 2003118-0001 (T00003US)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Schwabacher *et al.* Examiner: Garcia, M.
Serial No.: 09/535,300 Art Unit: 1627
Filed: March 24, 2000
For: ONE-DIMENSIONAL ARRAYS ON OPTICAL FIBERS

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

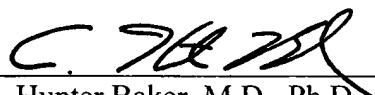
TRANSMITTAL LETTER

Enclosed are the following documents:

1. Response Under 37 CFR §1.111 (15 pages);
2. Petition for Extension of Time (1 page);
3. Check in the amount of \$55.00; and
4. Return Postcard.

If any additional fees are required to be paid or if any overpayment has been made, please charge same to Deposit Account No. 03-1721.

Respectfully submitted,


C. Hunter Baker, M.D., Ph.D.
Reg. No. 46,533

03/11/2002 JBALINAN 00000084 09535300

01-FC-215

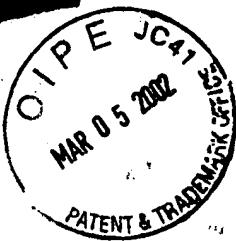
55.00 DP

CHOATE, HALL & STEWART
Exchange Place
53 State Street
Boston, MA 02109
(617) 248-5000
Dated: February 20, 2002

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231 on 2/20/02

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Sir:

RESPONSE UNDER 37 CFR §1.111

Responsive to the Office Action mailed October 23, 2001 (Paper No. 8), Applicant respectfully requests entrance of the following Amendment and consideration of the following Remarks. The deadline for responding to the Office Action was January 23, 2002; however, a one-month extension of time from January 23, 2002, up to and including February 23, 2002, is hereby requested, and a check for such an extension is enclosed.

Amendment

In the Specification:

Please amend the Specification as follows. A marked-up version of the paragraphs amended is included as Appendix B.

On page 6, please delete the paragraph starting at line 6 and replace it with the following paragraph:

--**Figure 16** shows a system similar to the one shown in Figure 15 but with a modified detection scheme. The fluorescence is dispersed according to wavelength by a grating (blazed, if required). In Figure 16a, the dispersed light is directed towards a set of photomultipliers (PMT), each detecting a certain wavelength region. A switch box allows selecting which PMT output is sent to the fast oscilloscope. In Figure 16b, the dispersed fluorescence is enhanced with an image intensifier and detected with a CCD array. A frame grabber ensures rapid removal of the

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